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RECENT BOOKS AND PAMPHLETS.

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VINES, S. H.—A Student's Text Book of Botany. London, New York, 1895. From Macmillan and Co., Pub.

WAITE, E. R.—Observations on *Dendrolagus bennettianus* De Vis. Extr. Proceeds. Linn. Soc. N. S. W., Vol. IX, 1894. From the author.

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WHITMAN, C. O.—Bonnet's Theory of Evolution—A System of Negations; Evolution and Epigenesis; The Palingenesia and the German Doctrine of Bonnet. Lectures delivered at Wood's Holl, 1894. From the author.

WOOD, H.—Has Mental Healing a Valid Scientific and Religious Basis? Boston, 1895. From the author.

General Notes.

PETROGRAPHY.¹

The Origin of Adinoles.—Hutchings² has discovered a contact rock at the Whin Sill, England, which, in the author's opinion, represents an intermediate stage in the production of an adinole from a fragmental rock. It contains corroded clastic grains of quartz and feldspar in an isotropic base containing newly crystallized grains of quartz and feldspar. The isotropic material is derived from the clastic grains by the processes of contact metamorphism, whatever they may be, as grains of quartz are often seen with portions of their masses replaced by the substance. The rock has begun its recrystallization from the isotropic material produced by solution or fusion of the original grains, but the process was arrested before the crystallization was completed. The paper concludes with some general remarks on metamorphism. The author thinks that the statement that in granite contacts no transfer of material takes place has not yet been proven true. He also thinks that more care should be taken in ascribing to dynamic metamorphism certain effects that may easily be due to the contact action of unexposed dioritic or granitic masses.

Notes from the Adirondacks.—The limestones, gneisses and igneous intrusives of the Northwestern Adirondack region are well described by Smyth.³ The intrusions consist of granites, diorites, gabbros and diabases. The gabbro of Pitcairn varies widely in its structure and composition, from a coarse basic or a coarse, almost pure feldspathic rock to a fine grained one with the typical gabbroitic habit.

¹ Edited by Dr. W. S. Bailey, Colby University, Waterville, Me.

² Geological Magazine, March and April, 1895.

³ Bull. Geol. Soc. Amer., Vol. 6, p. 263.